

## Section II

Section II forms are for stack and process information. These forms are needed for each application, but only one for each stack and one for each process. Process forms should be matched to the type of process you operate or are proposing to construct or modify. Pages 15-45 of the Instruction Booklet for Operation Permits have more details on all fields in the forms.

4530-103 Stacks (any stack, roof vent, wall vent, windows and doors, etc. that allow exhaust from each emissions unit to escape to the outside air)

4530-104 Boiler or Furnace (any unit that burns fuels and is used for heat, process steam or power)

4530-105 Storage Tanks (tanks used to store organic compounds, such as diesel fuel, gasoline, or different solvents)

4530-106 Incinerators (solely those used to burn waste, not those used as a control device to destroy organic compound emissions)

4530-107 Printing (any operation which applies inks or other materials to substrates using processes like lithographic, flexographic, rotogravure or screen printing)

4530-108 Painting and Coating (any operation that applies paints or coatings to a material, such as paper, fabric, metal, plastic, etc. - application methods may include brush, roll, flow coat, spray, electrostatic, powder, etc.)

4530-109 Miscellaneous Process (any operation that does not fit the other process descriptions)

### Stack Form:

#### 4530-103

Information you provide on this form, regarding each stack, is used by the Department primarily for computer dispersion modeling. Modeling is used to predict whether your facility will be likely to meet ambient air quality standards. Therefore, it is important that you be as accurate as possible when completing this form. The permit that the Department issues may contain requirements that your stacks meet the specifications described in your application.

The Department will combine the plot plan data with the information you provide on each form 4530-103 to run a computer program. It is imperative that we understand which stack on your plot plan goes with which stack identification form.

You must fill out one form for each stack, roof vent, wall vent, etc., which vents the emissions unit(s) in your permit application. These stacks may vent emissions units such as your boilers, incinerators, paint booths, printing presses, solvent cleanup stations, chemical reactors, grinding stations, cutting or gluing areas, and any other significant emissions units in your plant. Storage tanks will not have a stack form associated with them.

If there are a number of stacks connected to one emissions unit, report them all under one representative stack, and fill out only one stack form. Attach form 4530-135 to further

explain this situation. Please include a supplemental list that details the individual stack parameters. Tell us how many stacks are being combined under this "dummy" stack. Use a simple average of each of the stack parameters (height, diameter, flow rate, and temperature) as the representative stack's parameters. Note: The pollutant emission rate should always be the sum total from all stacks involved and not the average -- this information will be used on form 4530-128.

Process Equipment forms:

Your trade association may be able to help with questions you have on equipment that is frequently used in your industry. Contact them for assistance:

(links to trade associations)

4530-104

Complete one form for each boiler or furnace in your plant. Do not fill out this form for insignificant emissions units. Be sure the unit identifications match up with forms 4530-102.

4530-105

Complete one form for each storage tank at your facility. Do not fill out this form for insignificant emissions units. This is a two-page form. You must complete both pages. Be sure the unit identifications match up with forms 4530-102.

4530-106

This form is used for incinerators that burn waste. **Do not use this form for control equipment.** If you have an incinerator that is used to control organic compound emissions from a process you should use form 4530-113.

Complete one form for each incinerator used to burn waste materials. Be sure the unit identifications match up with forms 4530-102. Most of the information for this form can be obtained from your incinerator manufacturer.

4530-107

You must fill out one of these forms for each printing operation at your facility. Do not fill out this form for insignificant emissions units. Be sure the unit identifications match up with forms 4530-102.

4530-108

You must fill out one of these forms for each painting or coating operation at your facility. Do not fill out this form for insignificant emissions units. Be sure the unit identifications match up with forms 4530-102.

4530-109

This form should be used if your process will not fit on the other emissions unit identification forms. Complete one form for each miscellaneous process at your facility.

Do not fill out this form for insignificant emissions units. Be sure the unit identifications match up with forms 4530-102.